

# Optimal Asthma Relief

from smallest dosage...

in briefest time

# Medihaler<sup>®</sup>

automatically controlled dosage by aerosol administration



**22½% more vital capacity within seconds**

The suspension of premicronized dry particles assures maximum delivery of the medication to the alveolar spaces where the therapeutic effect is exerted. The Medihaler suspension affords 5 times the bronchodilating power of the same medication in solution and approximately 20 times that of a squeeze bulb nebulizer.

Medihaler is available with either of the two outstanding bronchodilating agents:

**Medihaler-ISO<sup>®</sup>** (isoproterenol)

**Medihaler-EPI<sup>®</sup>** (epinephrine)

***NEW!** 30 cc size vial  
for office or home*



Northridge, California

“In a controlled clinical study of 260 postcoronary patients, one-half were given sublingual heparin and one-half received conventional treatment. During the period of observation, averaging more than 2 years per patient, there were 12 recurrent infarctions in the heparin-treated group and 38 in the control group. This difference is statistically significant.”

Fuller, H. L.: *Angiology* 11:200 (June) 1960.

---

Simple and safe for long-term therapy, Clarin\* (sublingual heparin) effectively controls the prolonged postprandial lipemia associated with atherosclerosis by facilitating the normal physiologic breakdown of fats. Unlike parenteral heparin, the use of Clarin requires no clotting-time or prothrombin determinations. The antilipemic activity of each manufactured lot of tablets is confirmed by sublingual control tests in animals.

*Indication:* For the management of hyperlipemia associated with atherosclerosis, especially in the postcoronary patient. *Dosage:* After each meal, hold one tablet under the tongue until dissolved. *Supplied:* Bottles of 50 pink, sublingual tablets, each containing 1500 I.U. heparin potassium.

An informative booklet, “Hyperlipemia, Heparin and Management of the Postcoronary Patient,” is available from Thos. Leeming & Co., Inc., 155 East 44th St., New York 17, N. Y.

\*Registered trade mark. Patent applied for.

**Clarin**  
(sublingual heparin potassium, Leeming)

a course of  
**Anabolic Therapy ...**

stimulates appetite,  
strength, vitality

builds vital protein tissues —  
**Muscle<sup>1</sup>**  
increased size and strength  
**Bone<sup>2</sup>**  
combats demineralization,  
rebuilds stroma

improves mood  
and outlook,  
physiologically

# Durabolin<sup>®</sup>

(nandrolone phenpropionate injection, Organon)

**the safest and most potent sustained anabolic therapy**

1. *virtually free of virilizing effects*
2. *sustained over 7-14 days*
3. *under your direct control*
4. *no adverse effect on liver function*

**to improve mood and outlook; restore appetite, strength and vitality; relieve pain; stimulate gain in solid muscular weight; hasten recovery. Your patient *feels* better because he *is* better.**

**Indications:** anorexia, chronic fatigue and post-viral debility, osteoporosis, mammary cancer, pre- and post-surgery, severe burns and trauma, and other catabolic conditions.

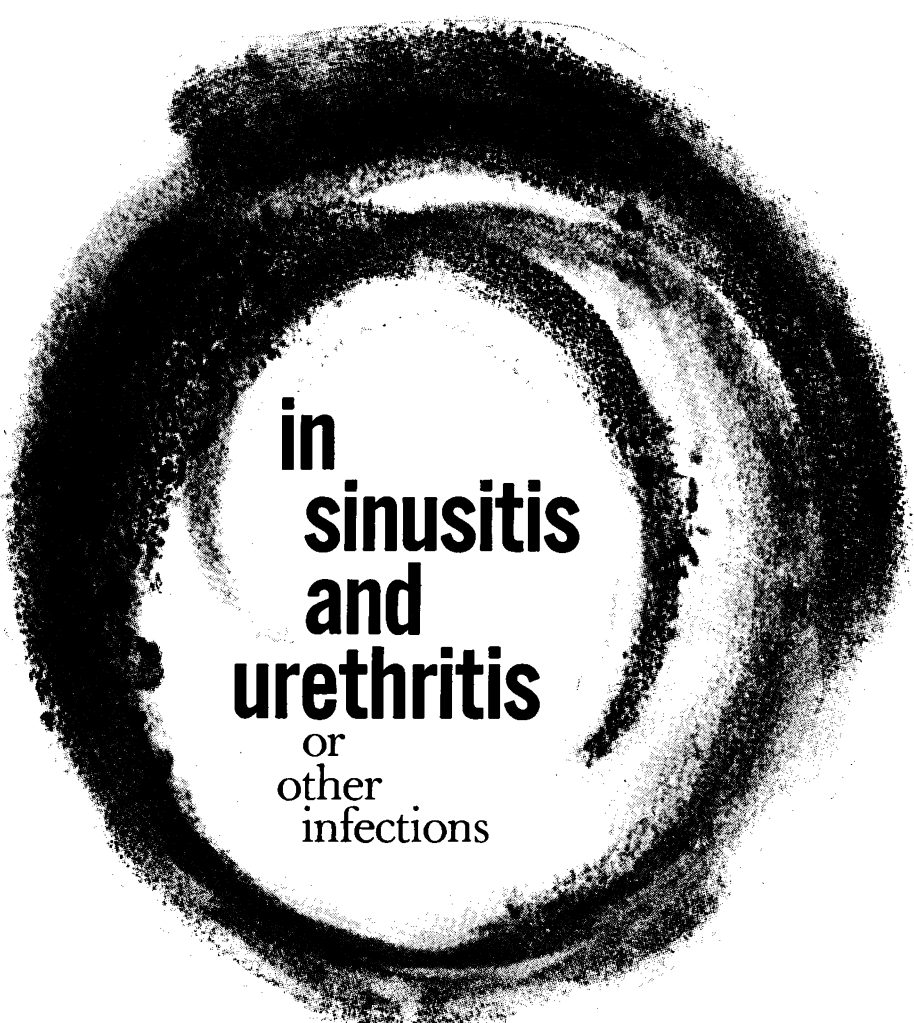
**Supplied:** DURABOLIN (25 mg. nandrolone phenpropionate/cc.) in 5-cc. vials and 1-cc. ampuls (box of 3). **New Durabolin-50** (50 mg. nandrolone phenpropionate/cc.) in 2-cc. vials.

**Dosage:** Adults: 50 mg., i.m.; then 25 to 50 mg., i.m., weekly for twelve weeks. Children: 2-13 years—25 mg., i.m., every 2 to 4 weeks. Infants: half children's dose.

1. Osol, A. and Farrar, G. E., Jr.: *The Dispensatory of the U.S.A.*, ed. 25, J. B. Lippincott, Phila., 1955, p. 1392.
2. Best, C. H. and Taylor, N. B.: *The Physiologic Basis of Medical Practice*, ed. 7, The Williams and Wilkins Co., Balt., 1961, p. 1104.



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**D** antibiotic therapy with an added measure of protection  
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against relapse—up to 6 days' activity on 4 days' dosage

against secondary infection—sustained high activity levels

against "problem" pathogens—positive broad-spectrum antibiosis

CAPSULES, 150 mg., 75 mg.; PEDIATRIC DROPS, 60 mg./cc.; SYRUP, 75 mg./5 cc.

Request complete information on indications, dosage, precautions and contraindications from your Lederle representative or write to Medical Advisory Department.

LEDERLE LABORATORIES, A Division of AMERICAN CYANAMID COMPANY, Pearl River, New York 

# FOUR HUNDRED MILLIGRAMS OF PURE PAIN RELIEF

NEW  
**analexin®-400**

400 milligrams of phenylramidol HCl

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**EXCEEDINGLY EFFECTIVE** "... The 85.1% incidence of effectiveness with the 400 mg. dose has exceeded the analgesic effectiveness of any other analgesic agent which we have studied to date, either alone or in combination. ... The utilization of higher doses for short periods of time indicates that the medication has a large therapeutic range, and this is reflected in the high incidence of effectiveness and low likelihood of untoward reactions.

"The practicing physician translating this into his own needs may be completely confident of using a medication with an excellent predictability and a safe analgesic response."<sup>1</sup>

**EXTRAORDINARY MARGIN OF SAFETY.** *Analexin-400 is non-narcotic and not narcotic related*; thus, it presents no danger of habituation or any other reaction associated with the frequent use of narcotics. Nor will Analexin-400 produce sedation, mental confusion or depression occasionally observed with other analgesics or inter-neuronal blocking agents.<sup>1-23</sup>

**INDICATIONS:** Relief of pain in injury, low back pain, premenstrual cramping, dysmenorrhea, postoperative pain, and a wide variety of recurring and acute painful conditions.

**DOSAGE:** One capsule at onset of pain, followed by 1 capsule at intervals of 1 to 4 hours, as needed.

**REFERENCES:** From the Symposium, *Recent Concepts of Pain and Analgesia*, held in the Hall of States, American Hospital Association, Chicago, February 15, 1961: 1. Batterman, R. C.: *Non-Narcotic Analgesia in Ambulatory Patients*. 2. O'Dell, T. B.: *Experimental Parameters in the Evaluation of Analgesics*. 3. Miller, L. D.: *Distribution, Excretion and Metabolic Fate of Phenylramidol*. 4. Beister, E.: *Preliminary Report of Experience with Phenylramidol for Dental Analgesia*. 5. Bader, G.: *Preliminary Report on the Use of Analexin for Dysmenorrhea in Telephone Operators*. 6. Taylor, S. L.: *Phenylramidol in General Hospital Orthopedics*. 7. Bodi, T.: *Pain Management Among Clinic Outpatients*. 8. Ramunis, J.: *Experience of an Industrial Surgeon with Phenylramidol*. 9. Kast, E. C.: *Methodological Considerations in the Clinical Evaluation of an Analgesic*. 10. Collopy, C. T.: *Preliminary Comparisons of Two Non-Narcotic Analgesic Agents in Hospitalized Orthopedic Patients*. 11. Cass, L. J.: *Report on the Analgesic and Calmative Effectiveness of Two Preparations on Patients with Acute and Chronic Pain*. 12. Lamphier, T. A.: *Intravenous Phenylramidol in the Management of Low Back Pain and Allied Disorders*. 13. O'Dell, T. B.: *Chicago Med.* 63:9, 1961. 14. Kast, E. C.: *Chicago Med.* 63:17, 1961. 15. Wainer, A. S.: *J. Am. M. Women's A.* 16:218, 1961. 16. Batterman, R. C.: *Ann. New York Acad. Sc.* 86:203, 1960. 17. O'Dell, T. B.: *Ann. New York Acad. Sc.* 86:191, 1960. 18. O'Dell, T. B., et al.: *J. Pharmacol. & Exper. Therap.* 128:65, 1960. 19. O'Dell, T. B., et al.: *Fed. Proc.* 18:1694, 1959. 20. Gray, A. P., et al.: *J. Am. Chem. Soc.* 81:4347, 1959. 21. Wainer, A. S.: *Clin. Med.* 7:2331, 1960. 22. Clinical data in files of Medical Dept., Irwin, Neisler & Co., 1959. 23. Batterman, R. C., et al.: *Am. J. Med. Sc.* 238:315, 1959.

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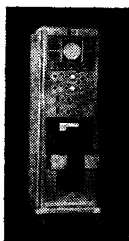
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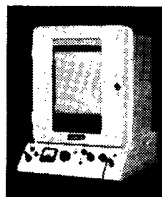
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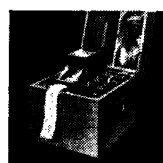
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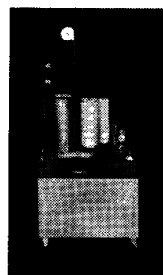
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A completely integrated, easy-to-use instrument for the determination

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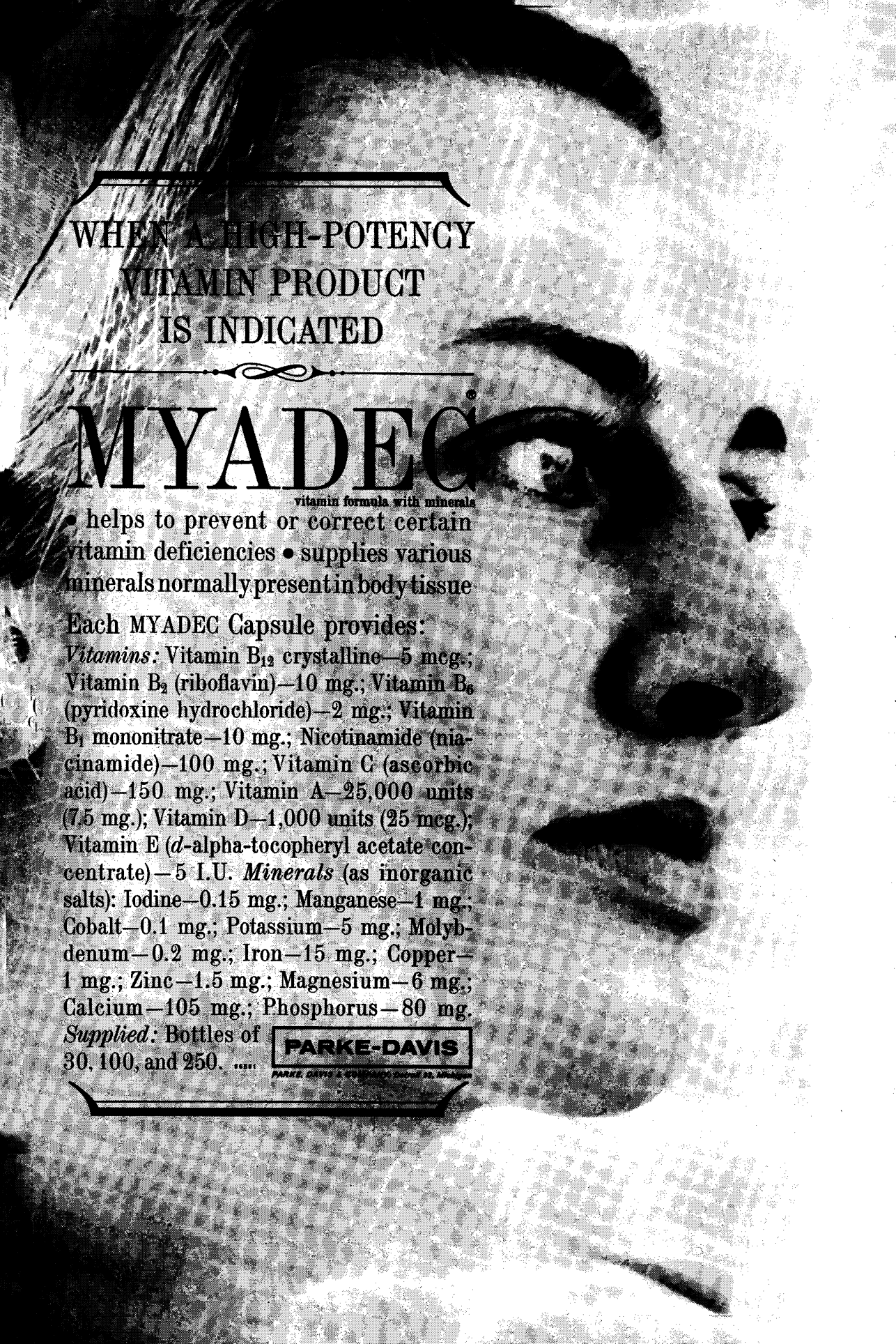
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• helps to prevent or correct certain vitamin deficiencies • supplies various minerals normally present in body tissue

Each MYADEC Capsule provides:

*Vitamins:* Vitamin B<sub>12</sub> crystalline—5 mcg.; Vitamin B<sub>2</sub> (riboflavin)—10 mg.; Vitamin B<sub>6</sub> (pyridoxine hydrochloride)—2 mg.; Vitamin B<sub>1</sub> mononitrate—10 mg.; Nicotinamide (niacinamide)—100 mg.; Vitamin C (ascorbic acid)—150 mg.; Vitamin A—25,000 units (7.5 mg.); Vitamin D—1,000 units (25 mcg.); Vitamin E (*d*-alpha-tocopheryl acetate concentrate)—5 I.U. *Minerals* (as inorganic salts): Iodine—0.15 mg.; Manganese—1 mg.; Cobalt—0.1 mg.; Potassium—5 mg.; Molybdenum—0.2 mg.; Iron—15 mg.; Copper—1 mg.; Zinc—1.5 mg.; Magnesium—6 mg.; Calcium—105 mg.; Phosphorus—80 mg.

*Supplied:* Bottles of 30, 100, and 250. ....

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**SPECIAL COUGH FORMULA**

*for Children*

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**SOOTHING DECONGESTANT AND EXPECTORANT**

**Each teaspoon (5 cc.) contains:** Codeine phosphate . . . . . 5.0 mg.  
Neo-Synephrine® hydrochloride . . 2.5 mg.  
(brand of phenylephrine hydrochloride)  
Chlorpheniramine maleate . . . . . 0.75 mg.  
Potassium iodide . . . . . 75.0 mg.

***Bright red, pleasant tasting,  
raspberry flavored syrup***

**Dosage:**

Children from 6 months to 1 year,  
1/4 teaspoon; 1 to 3 years, 1/2 to  
1 teaspoon; 3 to 6 years, 1 to 2  
teaspoons; 6 to 12 years, 2 tea-  
spoons. Every four to six hours as  
needed.

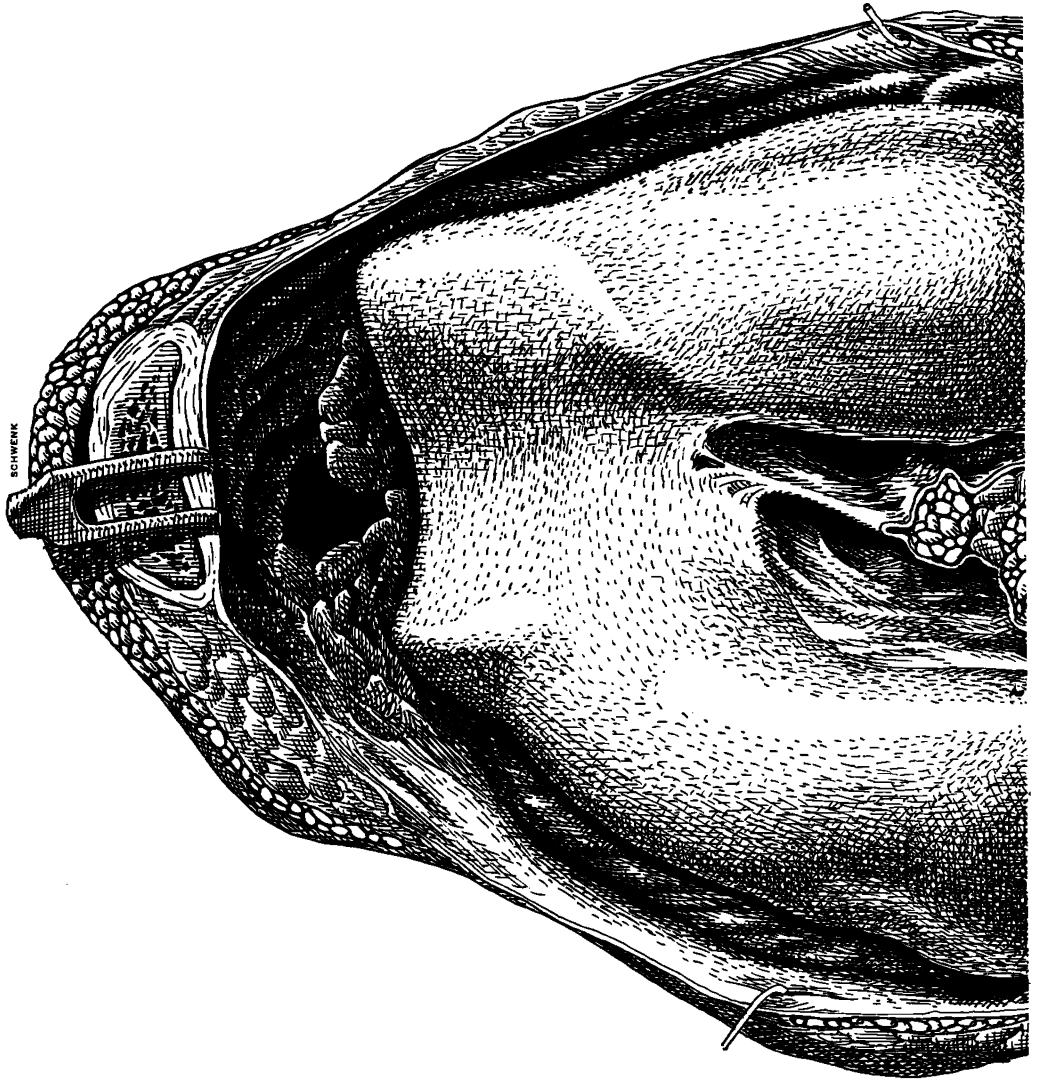
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**Exempt Narcotic**

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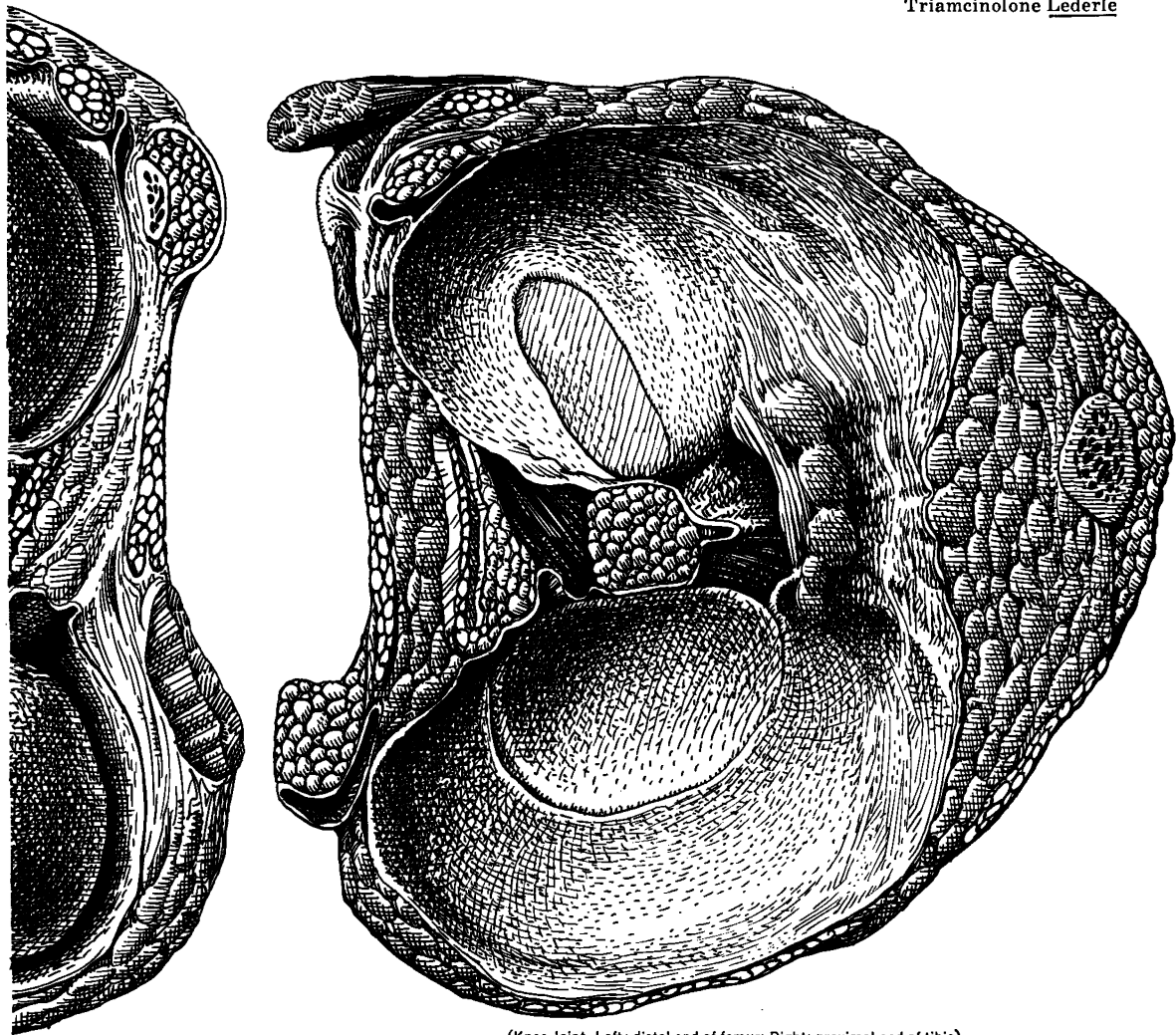
because patients are more than arthritic joints...  
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Even cortisone, with its severe hormonal reactions, can effectively control inflammatory and rheumatoid symptoms. But a patient is more than the sum of his parts — and the joint is only part of a whole patient. Symptomatic control is but one aspect of modern corticotherapy, because what is good for the symptom may also be bad for the patient.

*Unsurpassed "General Purpose" and "Special Purpose" Corticosteroid...  
Outstanding for Short- and Long-Term Therapy*

# Aristocort®

Triamcinolone Lederle



(Knee Joint, Left: distal end of femur; Right: proximal end of tibia)

ARISTOCORT is an outstanding "special purpose" steroid when the complicating problem is increased appetite and weight gain, sodium retention and edema, cardiac disease, hypertension or emotional disturbance and insomnia.

ARISTOCORT provides unsurpassed anti-inflammatory control without sodium retention or edema — without the undesirable psychic stimulation and voracious appetite.

*Supplied:* Scored tablets (three strengths), syrup, parenteral and various topical forms. Request complete information on indications, dosage, precautions and contraindications from your Lederle representative, or write to Medical Advisory Department.



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# which curve is longer?



Fascinating . . . how one curved figure seems to be longer than the other—even when you know they're both the same.

Two oral penicillins can be just as difficult to compare. If only the price of the drugs were to be considered, the choice would be clear. But isn't it what a drug *does* that counts?

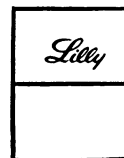
V-Cillin K® achieves two to five times the serum levels of antibacterial activity (ABA) produced by oral penicillin G.<sup>1</sup> Moreover, it is highly stable in gastric acid and, therefore, more completely absorbed *even in the presence of food*. Your patient gets more dependable therapy for his money . . . and it's therapy—not tablets—he really needs.

*For consistently dependable clinical results*

prescribe V-Cillin K in scored tablets of 125 and 250 mg.  
V-Cillin K, Pediatric, in 40 and 80-cc.-size packages. Each 5 cc.  
(approximately one teaspoonful) contain 125 mg. (200,000 units)  
penicillin V as the crystalline potassium salt.

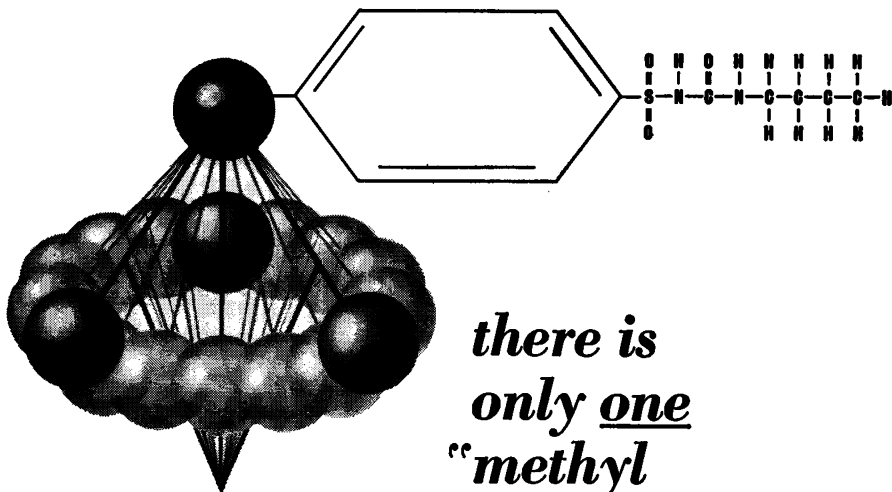
V-Cillin K® (penicillin V potassium, Lilly)

1. Griffith, R. S.: Antibiotic Med. & Clin. Therapy, 7:129, 1960.



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Available as Metamucil powder or as the new lemon-flavored Instant Mix Metamucil

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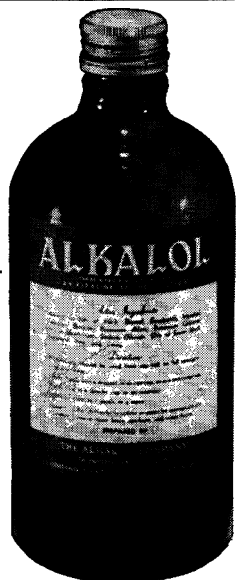
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An implantation of *L. acidophilus* bacilli in the digestive tract will frequently restore intestinal flora to a normal, healthy condition. Walker-Gordon Acidophilus (a 2% butterfat product made from Walker-Gordon Certified Milk) abounds in *lactobacilli acidophilus* . . . 500 million per ml. Write or phone for professional sample of Acidophilus and complete information.

**Guaranteed Free of Penicillin**

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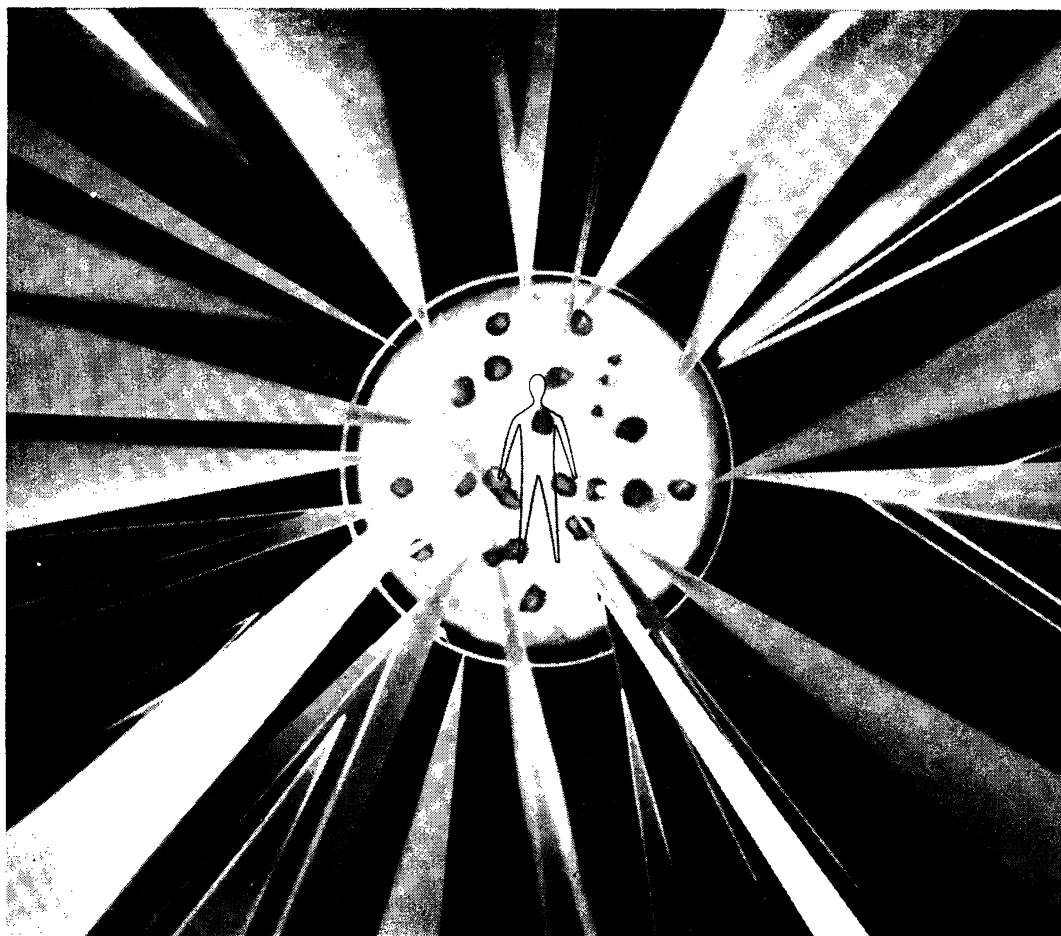
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*because...it contains phosphate-potentiated tetracycline*  
for prompt, dependable broad spectrum antibacterial action.

*because...it contains Fungizone, the antifungal antibiotic,*  
to prevent monilial overgrowth in the gastrointestinal tract.

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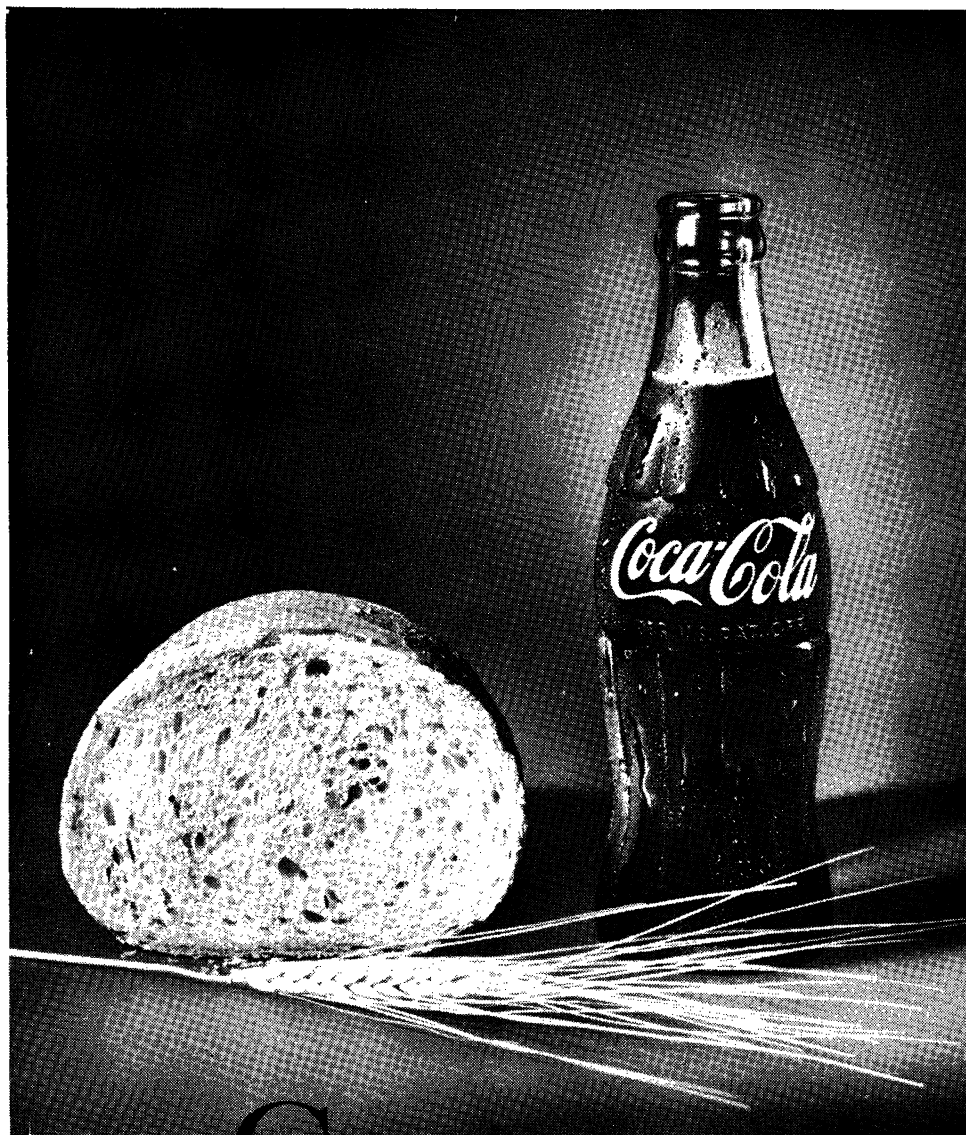
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Coca-Cola, too, has its place in a well balanced diet. As a pure, wholesome drink, it provides a bit of quick energy...brings you back refreshed after work or play. It contributes to good health by providing a pleasurable moment's pause from the pace of a busy day.



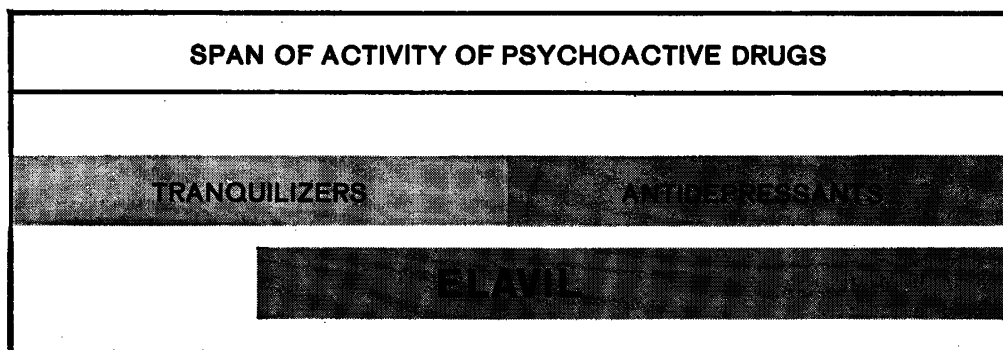
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AMITRIPTYLINE HYDROCHLORIDE

the antidepressant with a significant difference:  
 • given orally or parenterally, ELAVIL provides  
**PROMPT** relief of associated anxiety, tension,  
 and insomnia • followed by control\* of  
 underlying depression

\*Some depressed patients respond within 5 to 10 days, while others may require up to two weeks or longer to obtain benefit.



- a single agent (not a combination of compounds)
- effective in all types of depression...particularly useful in depressed patients with predominant symptoms of anxiety and tension.
- may be used in ambulatory or hospitalized patients
- not an amine oxidase (MAO) inhibitor



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SYMPOSIUM ON DEPRESSION

with Special Studies of a New  
Antidepressant, Amitriptyline

A SCIENTIFIC MEETING

NEW YORK, N. Y.

March 4, 1961

*EXCERPTS FROM A SYMPOSIUM ON DEPRESSION*

**ELAVIL<sup>®</sup>**  
AMITRIPTYLINE HYDROCHLORIDE

**INVESTIGATOR**

**FINDINGS**

**DUNLOP, EDWIN:**

The treatment of  
depression in  
private practice.

"Amitriptyline [ELAVIL] has a specific advantage over any antidepressant currently available and I see increasing evidence of its usefulness in reducing tension, agitation and anxiety, as well as in relieving the depressive quality of the illness. Amitriptyline appears . . . to combine better than any other antidepressant drug the successful treatment of anxiety at one end of the scale and depression at the other. Experience in the past has shown us that, when using electroshock or analeptics, although depression can be relieved, the accompanying anxiety eventually proves more troublesome than the depressive phase of the illness. Amitriptyline successfully bridges these divergent symptoms which are displayed in varying proportions in all depressive syndromes.

"... Approximately one hundred and twenty patients have been studied with amitriptyline during the last fifteen months. It is an effective antidepressant when employed in both hospital and ambulatory patients. Its dependability and freedom from toxicity and severe side effects merit further evaluation on a broader spectrum of depressive disorders."

**BENNETT, DOUGLAS:**

Treatment of  
depressive states  
with amitriptyline.

"In those cases showing a good response, early and dramatic improvement in sleeplessness resulted and many patients noted a feeling of relaxation. The ability of some patients to reduce their night sedatives after only a month's treatment was unique in my experience of the treatment of depression."

**SAUNDERS, JOHN C.:**

Antidepressives: the  
pith of affective therapy.

"Its primary action in hospitalized psychotics is antidepressive; this along with its very low rate of side actions make it a drug of potentially frequent application in a broad spectrum of neuropsychiatric diseases. . . . Since a large part of any hospital population will reach a plateau if given only a tranquilizer or an energizer, we suggest that amitriptyline alone be given prior to combination therapy, as this drug is easier and safer to administer and produces a significant improvement in a high percentage of cases (60-75)."

**OSTFELD, ADRIAN M.:**

Effects of an anti-  
depressant drug on tests  
of mood and perception.

"Finally, it appears that amitriptyline in the doses employed here is relatively effective in depressed states of neurotic proportions. Its freedom from severe side effects in doses that are therapeutically effective seems established in this patient population."

(This symposium was published in  
Diseases of the Nervous System,  
Volume 22, Section Two—Supplement, May 1961)

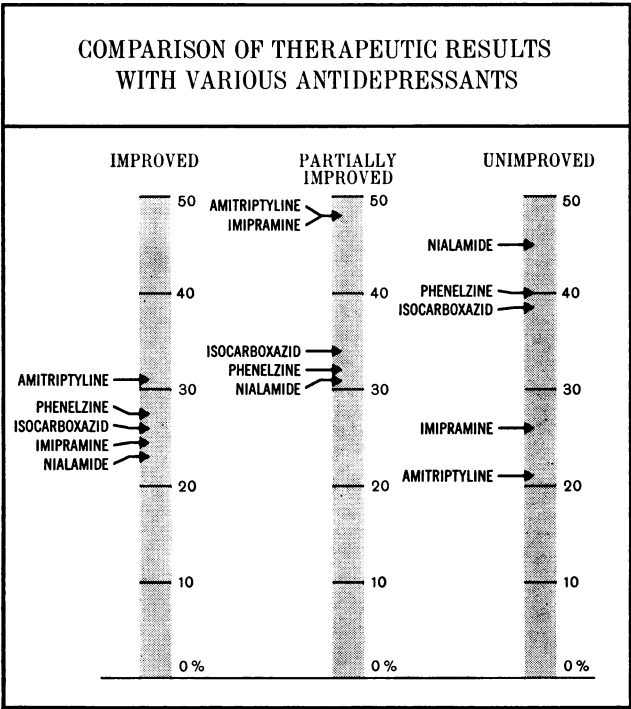
INVESTIGATOR

AYD, FRANK J., JR.:  
A critique of  
antidepressants.

FINDINGS

"Amitriptyline and imipramine induce similar side effects but, generally speaking, those of amitriptyline cause less subjective discomfort in patients than those of imipramine.

"... Many of the factors that favor a satisfactory response to these drugs are also those clinically associated with the expectation of a good reaction to ECT. The danger lies in their general slowness in taking effect which makes their use hazardous for severely depressed suicidal patients who, preferably, should be treated with electroshock therapy. Otherwise, these compounds can be a satisfactory substitute for shock therapy for most depressed patients. Thus, these drugs have lessened the need for ECT. On those occasions when ECT is necessary, if the shock therapy is combined with an antidepressant, ECT can be dispensed with after a few treatments."



**EXCERPTS FROM A  
SYMPOSIUM ON  
DEPRESSION**  
(continued)

# ELAVIL<sup>®</sup>

AMITRIPTYLINE HYDROCHLORIDE

INVESTIGATOR	FINDINGS
DORFMAN, WILFRED: Masked depression.	"In evaluating the effectiveness of amitriptyline in all these different settings, it was considered to be effective in 17 of the 25 patients (68%)."
FELDMAN, PAUL E.: Psychotherapy and chemotherapy (amitriptyline) of anergic states.	"Compared to other energizer compounds, particularly the hydrazines, amitriptyline appears to be relatively nontoxic. The laboratory reports for the most part remained within normal limits. Occasionally, abnormal readings were reported, but these appeared only sporadically and were not related to any clinical findings."

**INDICATIONS:** manic-depressive reaction—depressed phase; involutional melancholia; reactive depression; schizo-affective depression; neurotic-depressive reaction; and these target symptoms: anxiety; depressed mood; insomnia; psychomotor retardation; functional somatic complaints; loss of interest; feelings of guilt; anorexia. May be used whether the emotional difficulty is a manifestation of neurosis or psychosis,<sup>1</sup> and in ambulatory or hospitalized patients.<sup>1, 2, 3</sup>

**USUAL ADULT DOSAGE:** Tablets — initial dosage 25 to 50 mg. three times a day, depending on body weight, severity, and clinical disturbances. Dosage may be adjusted up or down depending upon the response of the patient. Some patients improve rapidly, although many depressed patients require four to six weeks of therapy before obtaining antidepressant response. For the ambulatory patient the dosage range for Tablets ELAVIL is 40 to 150 mg. daily. In the hospitalized patient, a daily dosage up to 300 mg. may be required. Injection ELAVIL may be given IM to rapidly calm depressed patients with symptoms of anxiety and tension while instituting therapy of the underlying depression. Initial therapy is 2 to 3 cc. (20 to 30 mg.) IM, q.i.d.

The natural course of depression is often many months in duration. Accordingly, it is appropriate to continue maintenance therapy for at least three months after the patient has achieved satisfactory improvement in order to lessen the possibility of relapse, which may occur if the patient's depressive cycle is not complete. In the event of relapse, therapy with ELAVIL may be reinstituted.

ELAVIL is not a monoamine oxidase (MAO) inhibitor. It does, however, augment or may even potentiate the action of MAO inhibitors. Thus, in patients who have been receiving MAO inhibitors, ELAVIL should be instituted cautiously after the effects of the MAO inhibitors have been dissipated. No evidence of drug-induced jaundice, agranulocytosis, or extrapyramidal symptoms has been noted. Side effects with ELAVIL are seldom a problem and are not serious. They are dosage-related and have been readily reversible. Side effects (drowsiness, dizziness, nausea, excitement, hypotension, fine tremor, jitteriness, headache, heartburn, anorexia, increased perspiration, and skin rash), when they occur, are usually mild. However, as with all new therapeutic agents, careful observation of patients is recommended. As with other drugs possessing significant anticholinergic activity, ELAVIL is contraindicated in patients with glaucoma, prostatic hypertrophy and urinary retention.

**SUPPLY:** Tablets, 10 mg. and 25 mg., in bottles of 100 and 1000. Injection (intramuscular), in 10-cc. vials, each cc. containing 10 mg. amitriptyline hydrochloride, 44 mg. dextrose, 1.5 mg. methylparaben, 0.2 mg. propylparaben, and water for injection q.s.

**REFERENCES:** 1. Ayd, F. J., Jr.: Psychosomatics 1:320, Nov.-Dec. 1960. 2. Dorfman, W.: Psychosomatics 1:153, May-June 1960. 3. Barsa, J. A., and Saunders, J. C.: Am. J. Psychiat. 117:739, Feb. 1961.

Before prescribing or administering ELAVIL, the physician should consult the detailed information on use accompanying the package or available on request.



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